

INFORMATION REPORT

OR NO

25X1A

COUNTRY USSR (Moscow Oblast)

DATE DISR 21 March 1952

SUBJECT Aircraft Engine Plant No. 500 in Moscow-Tushino

NO. OF PAGES 2

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PLACE ACQUIR

NO. OF ENCLS. 1
(LISTED BELOW)

DATE OF INFO.

SUPPLEMENT TO REPORT NO

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THIS IS UNEVALUATED INFORMATION

1. The official designation of the plant in Moscow-Tushino (55°50'N/37°26'E) was M.A.P. Zavod No 500. In 1944, the plant produced aircraft piston engines and parts for trolley busses. In 1947 the latter production increased continually while the manufacture of aircraft engines was discontinued except for the production of spare parts. The trolley bus parts manufactured at plant No 500 were delivered to a trolley bus plant located north of Khodnya Canal. The mass production of jet engines was started in mid-1948. The mass production of crates for the shipping of jet engines was started about the same time. In mid-1948 the deliveries to the trolley bus plant were stopped. (1) In July 1949, samples of the aircraft crates manufactured in Moscow-Tushino were sent to Plant No 15 in Moscow. The crates were manufactured in Workshop No 63, which was headed by Soviet engineers Sidorov (fmu) and Tsiganov (fmu). The work force of the plant was estimated at 5,000 to 6,000 men working two shifts. A third shift worked only in a few shops of the plant. (2)

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2. [redacted] a Rolls Royce [redacted] engine was being manufactured at the plant. [redacted] Reaktivnyi Dvigatel 500. (3)

3. From November 1948 to December 1949, approximately 120 shipping crates for jet engines were manufactured per month, while 20 to 25 such crates were reconditioned during the same period. From this fact it was inferred that the monthly output of jet engines was between 140 to 150. The crates were designated [redacted] the best suited and most carefully constructed crate. In addition to shipping crates for jet engines T-11 type spare part-boxes and boxes for factory requirements were manufactured. Jet engine spare parts were shipped in boxes with a cover. [redacted] that nine oil pumps and nine combustion chambers or similar parts were shipped in one such box. [redacted]

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4. [redacted] some of the jet engines were sent to Gorki. [redacted] other crates bore the [redacted]

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the lettering Novosibirsk. [REDACTED]

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Aircraft Plant No 82 north of Plant No 500 was a trolley bus plant. [REDACTED]

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[REDACTED] only one type of jet engine was manufactured at the plant in late 1949.

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Comments.

- (1) According to available information, the production of engines for the trolley bus plant seems to have been discontinued about April or May 1948. It is believed that preparations for the manufacture of Nene jet engines were made about the same period. It can be assumed with a fair degree of certainty that mass production of these jet engines started in July 1948. [REDACTED]

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- (3) This may be considered to be the official factory designation. It is believed that mass production of Nene power plants was begun at Plant No 45 in Moscow and therefore the engine was officially designated RD-45. [REDACTED]

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- (4) [REDACTED] . It still remains to be clarified whether only one or two versions of jet engines were manufactured at Plant No 500. It has definitely been determined that spare parts for turbines are shipped [REDACTED]

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- (5) It is not clear whether these figures permit any conclusions as to the rate of production of the plant. The nomenclature observed in Strausberg is based on a different system.

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- (6) The delivery of these power plants to Gorki is believed to be correct, since a swept-back fighter fitted with a RD-45 jet engine is being built in Plant No 21. On condition that the statement regarding the delivery of these engines to Novosibirsk is also correct, this would indicate that the production of a fighter plane fitted with an in-line engine may have been discontinued at Plant No 153 in Novosibirsk after 1948 and that the production of jet aircraft fitted with Nene engines has been started.

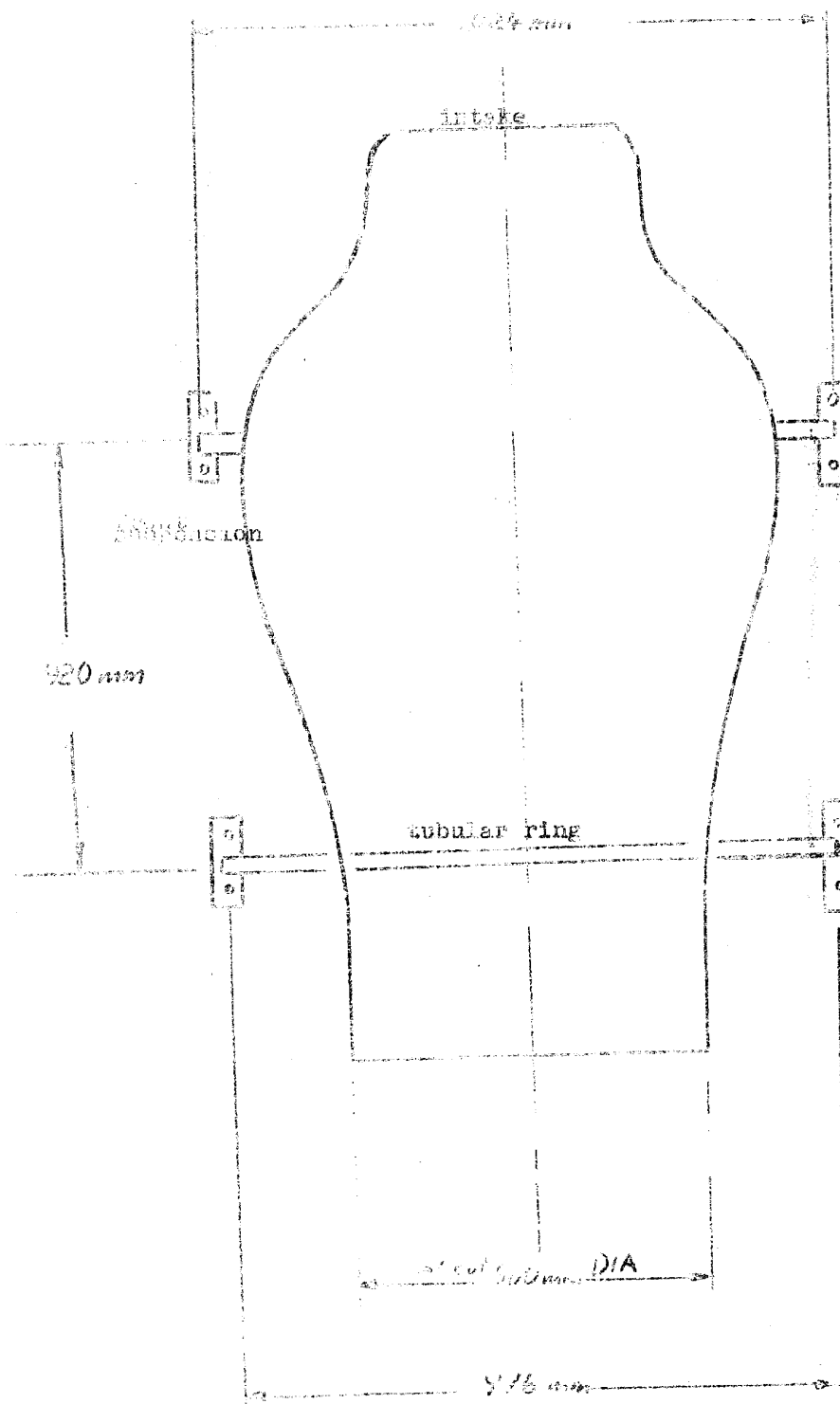
1 Annex: Sketch of Turbine in Shipping Crate

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Annex

Suspension of Turbine in Shipping Crate



length of crate 2.5 to 2.7 meters

Not to Scale